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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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10/822,146

04/12/2004

Daniele Pianezze

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12/05/2005

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EXAMINER

MAI, ANH T

ART UNIT

PAPER NUMBER

2832

DATE MAILED: 12/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/822,146

Applicant(s)

PIANEZZE, DANIELE

Examiner

Anh T. Mai

Art Unit

2832

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1,2 and 4-11 is/are rejected.
- 7) ☒ Claim(s) 3 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 10/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-2, 4-5, 7-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Aleardi et al. [6429606] in view of Yer [2002/0140538A1].

Aleardi discloses an electronic gas-lighting device comprising a transformer 15 having a primary winding 21 and a secondary winding divided into a number coils 22,23 and having a predetermined number of output terminals 26,27; the coils being wound on respective axially adjacent portions a substantially cylindrically symmetrical, insulating tubular support being inverted upon the wire (20) engaging a respective common terminal 27 between two adjacent coils 22,23; the coils electrically one another series form one secondary winding [figure 1; column 3, lines 36-63].

Aleardi does not disclose the coils being wound alternately on to the drum in an opposite direction for each coil and the winding direction the wire being inverted upon the wire engaging a respective common terminal between two adjacent coils.

Yer, however, discloses a transformer of the inverter where winding arrangement of the coil 2 shown in figure 4 being wound in an opposite direction for each coil and the winding

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direction the wire being inverted upon the wire engaging a respective common terminal between two adjacent coils [paragraph 0011].

Because Aleardi and Yer are both from the same field of endeavor, the purpose of winding arrangement as disclosed by Yer have been recognized as pertinent art of Aleardi.

It would have been obvious, therefore, at the time the invention was made to a person having skill in the art to construct the transformer winding, as disclosed by Aleardi, with winding arrangement, as disclosed by Yer for the purpose of increasing capacitive impedance by the return wire 2c at the linear region in which the last winding round 1st is fed back [paragraph 0012].

With respect to claim 2, Aleardi discloses the terminals are defined by flat blades connection [col 3, lines 58-60], and the lighter has 2 coils and 3 terminals [figure 1].

With respect to claim 4, Aleardi discloses connectors 26,27 being housed through seating ducts (tubular member) 30 for housing terminals (connectors) 26-27 [column 3, line 65 to col 4, line 6].

With respect to claim 5, Aleardi discloses outer casing 3 being made of insulating material [col 3, line 16-18] and housing said supporting member 25 on which the wire is wound to form said coils 22,23 and with said primary winding 21 inserted coaxially inside said tubular support 25; said casing having a number of openings through which said prismatic tubular members 30 where the terminals 26,27 are inserted, so that a subunit, defined by the two, primary and secondary windings with the respective supporting member and terminals 26,27 can be preassembled and then fitted automatically inside the casing 3.

With respect to claim 7, Aleardi discloses support 25 having partitions for dividing winding sections [figure 1].

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With respect to claim 8, Aleardi discloses the ducts 30 for housing the terminals being located alternately, an axial direction, on opposite sides of said casing 3 as seen in figure 1.

With respect to claims 9-10, Aleardi discloses terminals 26, 27 are located side by side along a same first side of said casing 3; the terminals being carried by respective supports which are formed one piece of supporting member 25 and fast-fit means 35 comprising two click-on connection elements 37 which are formed integrally with casing 3 projected outwards from lateral wall 11 of casing 3 and engage respective retaining seats 38 formed in conducting surface 36 of cooking range 2[figure 1; col 4, lines 7-16].

With respect to claim 11, the claim is method counterpart of structure claims 1-2, 4-5.

3. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Aleardi et al. in view of Yer as applied in claim 5 above and further in view of Gwozdz [4683518].

Aleardi et al. in view of Yer discloses the claimed invention except for the housing being made of synthetic plastic material.

Gwozdz, however, discloses the transformer is encapsulated within a dielectric material disposed within a synthetic plastic shell 32 including a upwardly opening cavity 33 and periphery flange 37 [figure 3; col 2, lines 38-45].

Because Aleardi in view of Yer and Gwozdz, are from the same field of endeavor, the application of synthetic plastic material as disclosed by Gwozdz, have been recognized as pertinent art of Aleardi in view of Yer.

It would have been obvious, therefore, at the time the invention was made to a person having skill in the art to construct the transformer housing, as disclosed by Aleardi in view of

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Yer, made of synthetic material, as disclosed by Gwozdz, due to its insulation characteristic and commonly use for the insulation purposes.

Allowable Subject Matter

4. Claim 3 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 3 discloses, inter alia, *the drum has an odd number [m] of winding seats, each for receiving the wire wound in a given direction to form a respective coil and a number [m+1] of the supports for the terminals.*

The references of record do not teach or suggest the aforementioned limitation, nor would it be obvious to modify those references to include such limitation.

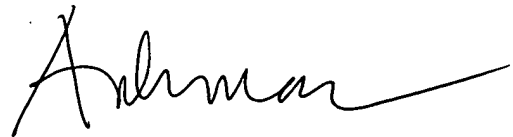
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh T. Mai whose telephone number is 571-272-1995. The examiner can normally be reached on 5/4/9 Schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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A handwritten signature in black ink, appearing to read 'Anh Mai', with a long horizontal stroke extending to the right.

**ANH MAI
PRIMARY EXAMINER**